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RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/912,414

DATE: 11/26/2001
TIME: 12:36:43

Input Set : A:\620-151.app
Output Set: N:\CRF3\11212001\I912414.raw

ENTERED

```
 4 <110> APPLICANT: Muller, Rolf
 5       Kontermann, Roland E
 6       Montigiani, Silvia
 8 <120> TITLE OF INVENTION: Transcription factor E2F DNA-binding domain inhibitor
 9       peptides and their use
11 <130> FILE REFERENCE: 620-151
13 <140> CURRENT APPLICATION NUMBER: US 09/912,414
14 <141> CURRENT FILING DATE: 2001-07-26
16 <150> PRIOR APPLICATION NUMBER: PCT/GB00/00227
17 <151> PRIOR FILING DATE: 2000-01-26
19 <150> PRIOR APPLICATION NUMBER: GB 9901710.5
20 <151> PRIOR FILING DATE: 1999-01-26
22 <160> NUMBER OF SEQ ID NOS: 40
24 <170> SOFTWARE: PatentIn Ver. 2.1
26 <210> SEQ ID NO: 1
27 <211> LENGTH: 6
28 <212> TYPE: PRT
29 <213> ORGANISM: Artificial Sequence
31 <220> FEATURE:
32 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
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35 <400> SEQUENCE: 1
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37   1               5
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42 <211> LENGTH: 6
43 <212> TYPE: PRT
44 <213> ORGANISM: Artificial Sequence
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47 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
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52   1               5
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57 <211> LENGTH: 6
58 <212> TYPE: PRT
59 <213> ORGANISM: Artificial Sequence
61 <220> FEATURE:
62 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
63       peptide
65 <400> SEQUENCE: 3
66 Trp His Phe Ile Phe Trp
67   1               5
71 <210> SEQ ID NO: 4
72 <211> LENGTH: 15
73 <212> TYPE: PRT
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     76 <220> FEATURE:
     77 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
     78       peptide
     80 <400> SEQUENCE: 4
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     82   1               5                  10                  15
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     87 <211> LENGTH: 15
     88 <212> TYPE: PRT
     89 <213> ORGANISM: Artificial Sequence
     91 <220> FEATURE:
     92 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
     93       peptide
     95 <400> SEQUENCE: 5
     96 Gly Ser Arg Ile Leu Thr Phe Arg Ser Gly Ser Trp Tyr Ala Ser
     97   1               5                  10                  15
    101 <210> SEQ ID NO: 6
    102 <211> LENGTH: 16
    103 <212> TYPE: PRT
    104 <213> ORGANISM: Drosophila melanogaster
    106 <400> SEQUENCE: 6
    107 Arg Gln Ile Lys Ile Trp Phe Gln Asn Arg Arg Met Lys Trp Lys Lys
    108   1               5                  10                  15
    112 <210> SEQ ID NO: 7
    113 <211> LENGTH: 5
    114 <212> TYPE: PRT
    115 <213> ORGANISM: Artificial Sequence
    117 <220> FEATURE:
    118 <221> NAME/KEY: SITE
    119 <222> LOCATION: (1)
    120 <223> OTHER INFORMATION: In Claims 1 & 2, Xaa is an amino terminal or a sequence of
from 1
    121       to 4 amino acids
    123 <220> FEATURE:
    124 <221> NAME/KEY: SITE
    125 <222> LOCATION: (1)
    126 <223> OTHER INFORMATION: In Claim 3, Xaa is an amino terminal or a sequence of from 1
    127       to 4 amino acids each of which are selected from Gly, Ala, Ile, Leu,
    128       Val, Ser, Thr, Lys, or Arg
    130 <220> FEATURE:
    131 <221> NAME/KEY: SITE
    132 <222> LOCATION: (2)
    133 <223> OTHER INFORMATION: In Claim 1, Xaa is an aromatic amino acid
    135 <220> FEATURE:
    136 <221> NAME/KEY: SITE
    137 <222> LOCATION: (2)
    138 <223> OTHER INFORMATION: In Claims 2 and 3, Xaa is Phe or Trp
    140 <220> FEATURE:
    141 <221> NAME/KEY: SITE
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Input Set : A:\620-151.app
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142 <222> LOCATION: (3)
143 <223> OTHER INFORMATION: In Claims 1 & 2, Xaa is from two to four amino acids
145 <220> FEATURE:
146 <221> NAME/KEY: SITE
147 <222> LOCATION: (3)
148 <223> OTHER INFORMATION: In Claim 3, Xaa is from two to four amino acids each of which are
149 selected from Gly, Ala, Ile, Leu, Val, Ser, Thr, Lys, Arg, His or Phe
151 <220> FEATURE:
152 <221> NAME/KEY: SITE
153 <222> LOCATION: (4)
154 <223> OTHER INFORMATION: In Claim 1, Xaa is an aromatic amino acid
156 <220> FEATURE:
157 <221> NAME/KEY: SITE
158 <222> LOCATION: (4)
159 <223> OTHER INFORMATION: In Claim 2, Xaa is Phe or Trp
161 <220> FEATURE:
162 <221> NAME/KEY: SITE
163 <222> LOCATION: (4)
164 <223> OTHER INFORMATION: In Claim 3, Xaa is Trp
167 <220> FEATURE:
168 <221> NAME/KEY: SITE
169 <222> LOCATION: (5)
170 <223> OTHER INFORMATION: In Claims 1 & 2, Xaa is a carboxy terminal or a sequence of from
171 one to four amino acids
173 <220> FEATURE:
174 <221> NAME/KEY: SITE
175 <222> LOCATION: (5)
176 <223> OTHER INFORMATION: In Claim 3, Xaa is a carboxy terminal or a sequence of from
177 one to four amino acids each of which are selected from Gly, Ala, Ile,
178 Leu, Val, Ser, Thr, Lys, Arg, His, Phe or Tyr
181 <220> FEATURE:
182 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
183 peptide
185 <400> SEQUENCE: 7
W--> 186 Xaa Xaa Xaa Xaa Xaa
187 1 5
191 <210> SEQ ID NO: 8
192 <211> LENGTH: 6
193 <212> TYPE: PRT
194 <213> ORGANISM: Artificial Sequence
196 <220> FEATURE:
197 <221> NAME/KEY: SITE
198 <222> LOCATION: (2)..(3), (5)..(6)
199 <223> OTHER INFORMATION: Each Xaa is independently any amino acid
201 <220> FEATURE:
202 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
203 peptide
205 <400> SEQUENCE: 8
W--> 206 Trp Xaa Xaa Trp Xaa Xaa

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     212 <211> LENGTH: 6
     213 <212> TYPE: PRT
     214 <213> ORGANISM: Artificial Sequence
     216 <220> FEATURE:
     217 <221> NAME/KEY: SITE
     218 <222> LOCATION: (2)..(3), (5)
     219 <223> OTHER INFORMATION: Each Xaa is independently any amino acid selected
     220       from Gly, Ala, Ile, Leu, Val, Ser, Thr, Lys, Arg,
     221       His, or Phe
     223 <220> FEATURE:
     224 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
     225       peptide
     227 <400> SEQUENCE: 9
W--> 228 Trp Xaa Xaa Trp Xaa Phe
     229   1               5
     233 <210> SEQ ID NO: 10
     234 <211> LENGTH: 9
     235 <212> TYPE: PRT
     236 <213> ORGANISM: Artificial Sequence
     238 <220> FEATURE:
     239 <221> NAME/KEY: SITE
     240 <222> LOCATION: (2)..(3), (5), (7)..(8)
     241 <223> OTHER INFORMATION: Each Xaa is independently any amino acid selected
     242       from Gly, Ala, Ile, Leu, Val, Ser, Thr, Lys, Arg,
     243       His, or Phe
     245 <220> FEATURE:
     246 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
     247       peptide
     249 <400> SEQUENCE: 10
W--> 250 Trp Xaa Xaa Trp Xaa Phe Xaa Xaa Trp
     251   1               5
     255 <210> SEQ ID NO: 11
     256 <211> LENGTH: 6
     257 <212> TYPE: PRT
     258 <213> ORGANISM: Artificial Sequence
     260 <220> FEATURE:
     261 <221> NAME/KEY: SITE
     262 <222> LOCATION: (2)..(3)
     263 <223> OTHER INFORMATION: Each Xaa is independently any amino acid selected
     264       from Gly, Ala, Ile, Leu, Val, Ser, Thr, or Arg
     266 <220> FEATURE:
     267 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
     268       peptide
     270 <400> SEQUENCE: 11
W--> 271 Trp Xaa Xaa Trp His Phe
     272   1               5
     276 <210> SEQ ID NO: 12
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Input Set : A:\620-151.app
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277 <211> LENGTH: 8
278 <212> TYPE: PRT
279 <213> ORGANISM: Artificial Sequence
281 <220> FEATURE:
282 <221> NAME/KEY: SITE
283 <222> LOCATION: (1)..(2), (4)..(7)
284 <223> OTHER INFORMATION: Each Xaa is independently any amino acid
286 <220> FEATURE:
287 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
288 peptide
290 <400> SEQUENCE: 12
W--> 291 **Xaa Xaa Phe Xaa Xaa Xaa Xaa Trp**
292 1 5
296 <210> SEQ ID NO: 13
297 <211> LENGTH: 8
298 <212> TYPE: PRT
299 <213> ORGANISM: Artificial Sequence
301 <220> FEATURE:
302 <221> NAME/KEY: SITE
303 <222> LOCATION: (1)..(2), (4)..(7)
304 <223> OTHER INFORMATION: Each Xaa is independently any amino acid selected
305 from Gly, Ala, Ile, Leu, Val, Ser, Thr, Lys, Arg,
306 His, Phe, or Tyr
308 <220> FEATURE:
309 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
310 peptide
312 <400> SEQUENCE: 13
W--> 313 **Xaa Xaa Phe Xaa Xaa Xaa Xaa Trp**
314 1 5
318 <210> SEQ ID NO: 14
319 <211> LENGTH: 8
320 <212> TYPE: PRT
321 <213> ORGANISM: Artificial Sequence
323 <220> FEATURE:
324 <221> NAME/KEY: SITE
325 <222> LOCATION: (1)..(2)
326 <223> OTHER INFORMATION: Each Xaa is independently any amino acid selected
327 from Gly, Ala, Ile, Leu, Val, Ser, Thr, Lys, Arg,
328 His, Phe, or Tyr
330 <220> FEATURE:
331 <221> NAME/KEY: SITE
332 <222> LOCATION: (5)
333 <223> OTHER INFORMATION: Xaa is independently any amino acid selected from
334 Gly, Ala, Ile, Leu, Val, Ser, Thr, Lys, Arg, His,
335 Phe, or Tyr
337 <220> FEATURE:
338 <221> NAME/KEY: SITE
339 <222> LOCATION: (6)
340 <223> OTHER INFORMATION: Xaa is independently any amino acid selected from

Use of n and / or Xaa has been detected in the Sequence Listing. Review the Sequence Listing to ensure a corresponding explanation is present in the <220> to <223> fields of each sequence using n or Xaa

VERIFICATION SUMMARY DATE: 11/26/2001
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Input Set : A:\620-151.app
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L:186 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7
L:206 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8
L:228 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9
L:250 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10
L:271 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11
L:291 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12
L:313 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13
L:356 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14
L:402 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15